

B1
cont

side of which an ink supply port 5, where the ink supply needle 10 of the printing apparatus is inserted, is formed. The opposite open face of container 52 is sealed by a lid 51 as shown in Figs. 7(a)-(c). A porous body impregnated with ink is housed inside the black ink cartridge.

At page 15, line 21 – page 16, line 11, please replace the paragraph beginning “As shown in FIG. 13, in a second embodiment. . .” with the following paragraph.

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As shown in FIG. 13, in a second embodiment, the recessed part 65a for fitting to the projection 19 is integrated with the recessed part 65 for fitting to the projection 20 (provided as a lifter 176) to install or detach the cartridge K in or from the carriage or the cartridge holder 6 by a mechanism in which the lifter 176 connects to the lever 105 via an operating rod 175 as shown in Fig. 13. In the present embodiment, the lifter 176 is guided up and down along a guide groove 177 by the operation of the lever 105, so that the ink cartridge is attached to or detached from the cartridge holder 106. In the operation, the projection 19 engages with and disengages from one recessed part 65a of the ink cartridge so that the ink cartridge can be accurately positioned as mentioned above. However, in the case of an ink cartridge mounted or detached by a lever not provided with the lifter 176, even if recessed parts 64 and 65 are formed as shown in Figs. 14(a), 14(b), so that a convex portion 67, in which the ink supply port 50 is formed, is located between the recessed parts 64, 65 and a recessed part 73 is independently formed in a position opposite to the convex portion 20 of the cartridge holder, the similar action is produced.

IN THE CLAIMS

✓
Please cancel claims 40 and 66 without prejudice to or disclaimer of the subject matter presented therein.

Please amend the claims to read as follows:

Sub E1

15. (Amended) An ink cartridge for an ink jet printer, comprising:
a housing having walls and an opening, said housing containing ink, a top wall of said housing being constituted by a lid covering said opening of said housing;
at least one ink chamber defined by said housing and said lid;
an ink supply port formed on one of the walls of said housing;
at least one recess forming a space in an outer surface of said lid when the ink cartridge is packed under a vacuum condition, the pressure within said space being lower than the atmospheric pressure when the ink cartridge is packed, wherein said recess is isolated from an interior of the ink chamber and exposed to an exterior of the ink chamber.

16. (Amended) The ink cartridge of claim 15, further comprising a seal member, wherein said recess is partially covered by said seal member adhered onto the outer surface of said lid.

Sub E2

20. (Amended) The ink cartridge of claim 19, wherein the ink jet printer further includes a mounting lever mounted on the carriage wherein the member of the carriage comprises a projection projecting from the mounting lever.

Sub C1

36. (Amended) An ink cartridge for an ink jet printer, comprising:
a housing containing ink;
an ink supply port formed on a wall of said housing; and
at least one engaging recess formed in the wall of said housing adjacent to and apart from said ink supply port, said engaging recess being engageable with a projecting member

Sub C17
of the printer when the ink cartridge is mounted on the printer, wherein the engaging recess and the projecting member of the printer align the ink supply port with an ink supply needle of the printer prior to the insertion of the ink needle into the ink supply port.

Sub E17
37.(Amended) The ink cartridge of claim 36, wherein the height of the projecting member is greater than that of the ink supply needle of the ink jet printer.

38.(Amended) The ink cartridge of claim 37, further comprising an abutment member which abuts against the projecting member of the ink jet printer when the ink cartridge is mounted improperly.

39.(Amended) The ink cartridge of claim 38, wherein said abutment member includes a part of said wall of said housing where the engaging recess is not formed.

Sub E17
41.(Amended) The ink cartridge of claim 36, wherein said ink supply port protrudes from said wall of said housing.

Sub C27
42.(Amended) The ink cartridge of claim 36, wherein said engaging recess comprises an odd number of engaging recesses .

43.(Amended) The ink cartridge of claim 36, wherein said engaging recess comprises an even number of engaging recesses.

Sub D47
44.(Amended) The ink cartridge of claim 42, wherein the position of said engaging recess are asymmetrical with respect to a center transversal line of said ink supply port.

45.(Amended) The ink cartridge of claim 42, wherein at least two of the engaging recesses are disposed along a line.

~~SUB E1A~~
46. (Amended) The ink cartridge of claim 43, wherein at least two of the engaging recesses are disposed along a line.

~~SUB C3~~
47. (Amended) The ink cartridge of claim 36, wherein said engaging recess is rectangular in cross section.

~~SUB E1A~~
48. (Amended) The ink cartridge of claim 57, wherein a recessed port is formed on an outer surface of said lid, and said recessed port communicates with said air communication port and is isolated from said engaging recess.

49. (Amended) The ink cartridge of claim 48, further comprising a porous member fitted in an ink chamber defined by said housing and said lid, said porous member being impregnated with ink and engaging with said ink supply port.

~~B6~~
50. (Amended) The ink cartridge of claim 57, wherein said film includes a seal member affixed to an outer surface of said lid, a portion of said seal member being removable.

51. (Amended) The ink cartridge of claim 57, wherein said lid has a center line, and said engaging recess is disposed on the center line of said lid.

52. (Amended) The ink cartridge of claim 57, wherein said engaging recess has capacity sufficient to receive gas escaped from the ink cartridge when the ink cartridge is packed in a package under a degassed condition.

53. (Amended) The ink cartridge of claim 57, wherein the engaging recess engages with said projecting member from a carriage of the printer onto which the ink cartridge is mounted.

54. (Amended) The ink cartridge of claim 57, wherein said engaging recess is completely covered by said film.

B6
Conf

Sub
E-1
Cont

55. (Amended) The ink cartridge of claim 53, wherein said cartridge includes a lever, said projecting member includes a projection formed on said lever.

56. (Amended) The ink cartridge of claim 57, wherein said engaging recess comprising a first section for receiving the projecting member of the printer and a second section formed continuously with the first section.

57. An ink cartridge for an ink jet printer having a cartridge holder, comprising:

a housing having a wall and an opening,

a lid covering said opening of said housing;

an ink supply hole formed on said wall of said housing; and

at least one engaging recess formed on said lid, said engaging recess being engageable with a projecting member of the printer when the ink cartridge is correctly mounted on the printer and said engaging recess being at least partially covered by a film which can be removed from the ink cartridge to create an air communication port to the atmosphere.

B7

Sub
E-1
Cont

58. (Amended) An ink jet printer, comprising:

a carriage;

a print head including a plurality of nozzles through which ink is ejected mounted on said carriage;

an ink cartridge, said ink cartridge being mounted on the carriage and, said ink cartridge comprising:

sub E1 conf
a housing having walls and an opening, a top wall of said housing being constituted by a lid covering said opening of said housing;

B7 conf
at least one ink chamber defined by said housing and said lid;

an ink supply port formed on one of the walls of said housing;

at least one recess forming a space in an outer surface of said lid, the pressure within said space being lower than the atmospheric pressure when the ink cartridge is packed and wherein the recess is isolated from an interior of the ink chamber and exposed to an exterior of the ink chamber.

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59. (Twice Amended) The printer of claim 58, further comprising a seal member, wherein said recess is partially covered by said seal member adhered onto the outer surface of said lid.

60. (Twice Amended) The printer of claim 58, further comprising a mounting lever mounted on the carriage wherein a projection projecting from the mounting lever is engageable with said recess.

sub C4
62. (Amended) An ink jet printer, comprising:

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a carriage, said carriage having a projecting member and an ink supply needle extending therefrom;

a print head including a plurality of nozzles through which ink is ejected mounted on said carriage;

an ink cartridge, said ink cartridge being mounted on the carriage and, said ink cartridge comprising:

Sub
C4
cont

B/A
cont

a housing having at least one wall;

an ink supply port formed on the wall of said housing; and

at least one engaging recess formed in the wall of said housing adjacent to said ink supply port, said engaging recess being engageable with the projecting member of the printer when the ink cartridge is mounted on the carriage wherein the engaging recess and the projecting member of the printer align the ink supply port with the ink supply needle prior to insertion of the ink needle into the ink supply port.

Sub
E1

63. (Twice Amended) The printer of claim 62, wherein the height of the projecting member is greater than that of the ink supply needle of the ink jet printer.

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64. (Twice Amended) The printer of claim 63, further comprising an abutment member which abuts against the projecting member of the ink jet printer when the ink cartridge is mounted in the improperly.

Sub
C5

65. (Twice Amended) The printer of claim 64, wherein said abutment member includes a part of said wall of said housing where said engaging recess is not ????

Sub
E7

67. (Twice Amended) The printer of claim 62, wherein said ink supply port protrudes from said wall of said housing.

Sub
C6

68. (Twice Amended) The printer of claim 62, wherein said engaging recess comprises an odd number of engaging recesses.

Sub
D87

69. (Twice Amended) The printer of claim 62, wherein said engaging recess comprises an even number of engaging recesses.

B11

Sub
DB
cont

70. (Twice Amended) The printer of claim 68, wherein the position of said engaging recesses are asymmetrical with respect to a center transversal line of said ink supply port.

71. (Twice Amended) The printer of claim 68, wherein at least two of the engaging recesses are disposed along a line.

Sub
E

72. (Twice Amended) The printer of claim 69, wherein at least two of the engaging recesses are disposed along a line.

Sub
C

73. (Twice Amended) The printer of claim 62, wherein said engaging recess is rectangular in cross section.

Sub
D

83. (Amended) The ink cartridge of claim 42, wherein the engaging recesses along the same line are formed by separate recesses.

Sub
E

84. (Amended) The ink cartridge of claim 43, wherein the engaging recesses along the same line are formed by separate recesses.

Sub
D

85. (Amended) The ink cartridge of claim 68, wherein the engaging recesses along the same line are formed by separate recesses.

Sub
E

86. (Amended) The ink cartridge of claim 69, wherein the engaging recesses along the same line are formed by separate recesses.

87. (Amended) An ink jet printer, comprising:

a carriage, said carriage having a projecting member extending therefrom;

a print head including a plurality of nozzles through which ink is ejected mounted on said carriage;

Sub E1 cont
an ink cartridge, said ink cartridge being mounted on the carriage and, said ink cartridge comprising:

a housing having a wall and an opening,

a lid covering said opening of said housing;

an ink supply hole formed on said wall of said housing; and

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at least one engaging recess formed on said lid, said engaging recess being engageable with a projecting member of the printer when the ink cartridge is correctly mounted on the printer and said engaging recess being at least partially covered by a film which can be removed from the ink cartridge to create an air communication port to the atmosphere.

Sub C8
88. (Amended) The ink cartridge of claim 87, wherein said engaging recess is engageable after said film is removed.

89. (Amended) The ink cartridge of claim 87, further comprising a mounting lever mounted on the carriage wherein the member of the carriage comprises a projection projecting from the mounting lever.

Please add new claim 91.

B13
91. (New) An ink cartridge for an ink jet printer, comprising:

a housing having an opening, said housing containing ink therein; a lid covering said opening of said housing;